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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,
STN AnaVist, now available
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America
NEWS 5 AUG 30 CA/CaPlus -Increased access to 19th century research documents
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 8 OCT 03 MATHDI removed from STN
NEWS 9 OCT 04 CA/CaPlus-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:04:37 ON 14 OCT 2005

=> file ca,biosis,medline

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|---------------------|------------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'CA' ENTERED AT 12:05:06 ON 14 OCT 2005

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FILE 'BIOSIS' ENTERED AT 12:05:06 ON 14 OCT 2005

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FILE 'MEDLINE' ENTERED AT 12:05:06 ON 14 OCT 2005

=> thrombin?
THROMBIN? IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s thrombin?
L1 101514 THROMBIN?

=> s calcium?
L2 1484960 CALCIUM?

=> s (organic acid) or (formic acid) or (acetic acid) or (propionic acid) or (butyric acid) or
(valeric acid) or (oxalic acid) or (malonic acid) or (succinic acid) or (gluconic acid) or
(lactic acid) or (glucuronic acid) or (glycolic acid) or (tartaric acid) or (malic acid) or
(citric acid)

L3 691750 (ORGANIC ACID) OR (FORMIC ACID) OR (ACETIC ACID) OR (PROPIONIC
ACID) OR (BUTYRIC ACID) OR (VALERIC ACID) OR (OXALIC ACID) OR
(MALONIC ACID) OR (SUCCINIC ACID) OR (GLUCONIC ACID) OR (LACTIC
ACID) OR (GLUCURONIC ACID) OR (GLYCOLIC ACID) OR (TARTARIC ACID)
OR (MALIC ACID) OR (CITRIC ACID)

=> s (glutaric acid) or (aminoacetic acid) or (aminocaproic acid)
L4 20260 (GLUTARIC ACID) OR (AMINOACETIC ACID) OR (AMINOCAPROIC ACID)

=> s l3 or l4
L5 705406 L3 OR L4

=> s (non-ionic surfactant) or (octyl glucoside) or (peptyl thioglucoside) or
(decanoyl-N-methylglucamide) or (polyoxyethylene dodecyl ether) or (polyoxyethylene
heptamethylhexyl ether) or (polyoxyethylene isooctylphenyl ether) or triton or (polyoxyethylene
nonylphenyl ether)

L6 80328 (NON-IONIC SURFACTANT) OR (OCTYL GLUCOSIDE) OR (PEPTYL THIOGLUCO
SIDE) OR (DECANOYL-N-METHYLGLUCAMIDE) OR (POLYOXYETHYLENE DODECYL
L ETHER) OR (POLYOXYETHYLENE HEPTAMETHYLHEXYL ETHER) OR (POLYOXY
ETHYLENE ISOCTYLPHENYL ETHER) OR TRITON OR (POLYOXYETHYLENE
NONYLPHENYL ETHER)

=> s (polyoxyethylene fatty acid ester) or (sucrose fatty acid ester) or (polyoxyethylene
sorbitol ester) or tween

L7 27280 (POLYOXYETHYLENE FATTY ACID ESTER) OR (SUCROSE FATTY ACID ESTER)
OR (POLYOXYETHYLENE SORBITOL ESTER) OR TWEEN

=> s l6 or l7
L8 104524 L6 OR L7

=> d his

(FILE 'HOME' ENTERED AT 12:04:37 ON 14 OCT 2005)

FILE 'CA, BIOSIS, MEDLINE' ENTERED AT 12:05:06 ON 14 OCT 2005

L1 101514 S THROMBIN?
L2 1484960 S CALCIUM?
L3 691750 S (ORGANIC ACID) OR (FORMIC ACID) OR (ACETIC ACID) OR (PROPIONI
L4 20260 S (GLUTARIC ACID) OR (AMINOACETIC ACID) OR (AMINOCAPROIC ACID)
L5 705406 S L3 OR L4
L6 80328 S (NON-IONIC SURFACTANT) OR (OCTYL GLUCOSIDE) OR (PEPTYL THIOGL
L7 27280 S (POLYOXYETHYLENE FATTY ACID ESTER) OR (SUCROSE FATTY ACID EST
L8 104524 S L6 OR L7

=> s l1 and l2 and l5 and l7
L9 1 L1 AND L2 AND L5 AND L7

=> d ab,bib

L9 ANSWER 1 OF 1 CA COPYRIGHT 2005 ACS on STN
AB Means and compns. for stabilizing **thrombin** and achieving a high
assay reproducibility, are claimed. Addition of **calcium** ion,

surfactants and proteins, complemented with a water-soluble organic acid is further employed; compns. containing the thus stabilized **thrombin**; and **thrombin**-containing compns. showing an extremely high stability of **thrombin** and an of a test substance with the. Use of a high-mol. weight polysaccharides and synthetic polymers for attaining extremely high assay reproducibility is claimed. Use of **calcium** lactate, **acetic acid**, polyvinyl alc. 205, polyvinyl alc. 500, polyvinyl alc. 1500, dextran 40, dextran 70, dextran 200, **Tween** 80, bovine serum albumin (BSA), water-sol gelatin, is described.

AN 134:262853 CA
 TI **Thrombin** stabilization with **calcium** ion, surfactants, and proteins
 IN Okuda, Masahiro; Kikukawa, Norihiro
 PA International Reagents Corporation, Japan
 SO PCT Int. Appl., 22 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|---|---|----------|-----------------|----------|
| PI | WO 2001023536 | A1 | 20010405 | WO 2000-JP6513 | 20000922 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2000073203 | A5 | 20010430 | AU 2000-73203 | 20000922 |
| | EP 1221479 | A1 | 20020710 | EP 2000-961196 | 20000922 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |
| PRAI | JP 1999-272092 | A | 19990927 | | |
| | JP 2000-212924 | A | 20000713 | | |
| | WO 2000-JP6513 | W | 20000922 | | |
| RE.CNT | 37 | THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | |

=> d his

(FILE 'HOME' ENTERED AT 12:04:37 ON 14 OCT 2005)

FILE 'CA, BIOSIS, MEDLINE' ENTERED AT 12:05:06 ON 14 OCT 2005

L1 101514 S THROMBIN?
 L2 1484960 S CALCIUM?
 L3 691750 S (ORGANIC ACID) OR (FORMIC ACID) OR (ACETIC ACID) OR (PROPIONI
 L4 20260 S (GLUTARIC ACID) OR (AMINOACETIC ACID) OR (AMINOCAPROIC ACID)
 L5 705406 S L3 OR L4
 L6 80328 S (NON-IONIC SURFACTANT) OR (OCTYL GLUCOSIDE) OR (PEPTYL THIOGL
 L7 27280 S (POLYOXYETHYLENE FATTY ACID ESTER) OR (SUCROSE FATTY ACID EST
 L8 104524 S L6 OR L7
 L9 1 S L1 AND L2 AND L5 AND L7

=> s 11 and 12 and 15 and 18

L10 1 L1 AND L2 AND L5 AND L8

=> d

L10 ANSWER 1 OF 1 CA COPYRIGHT 2005 ACS on STN

AN 134:262853 CA

TI **Thrombin** stabilization with **calcium** ion, surfactants, and proteins

IN Okuda, Masahiro; Kikukawa, Norihiro

PA International Reagents Corporation, Japan
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2001023536 | A1 | 20010405 | WO 2000-JP6513 | 20000922 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2000073203 | A5 | 20010430 | AU 2000-73203 | 20000922 |
| | EP 1221479 | A1 | 20020710 | EP 2000-961196 | 20000922 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |
| PRAI | JP 1999-272092 | A | 19990927 | | |
| | JP 2000-212924 | A | 20000713 | | |
| | WO 2000-JP6513 | W | 20000922 | | |

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:04:37 ON 14 OCT 2005)

FILE 'CA, BIOSIS, MEDLINE' ENTERED AT 12:05:06 ON 14 OCT 2005

L1 101514 S THROMBIN?
L2 1484960 S CALCIUM?
L3 691750 S (ORGANIC ACID) OR (FORMIC ACID) OR (ACETIC ACID) OR (PROPIONI
L4 20260 S (GLUTARIC ACID) OR (AMINOACETIC ACID) OR (AMINOCAPROIC ACID)
L5 705406 S L3 OR L4
L6 80328 S (NON-IONIC SURFACTANT) OR (OCTYL GLUCOSIDE) OR (PEPTYL THIOGL
L7 27280 S (POLYOXYETHYLENE FATTY ACID ESTER) OR (SUCROSE FATTY ACID EST
L8 104524 S L6 OR L7
L9 1 S L1 AND L2 AND L5 AND L7
L10 1 S L1 AND L2 AND L5 AND L8

Refine Search

Search Results -

| Term | Documents |
|--|-----------|
| NONIONIC | 133246 |
| NONIONICS | 3796 |
| SURFACTANT | 269605 |
| SURFACTANTS | 179659 |
| OCTYL | 126472 |
| OCTYLS | 462 |
| GLUCOSIDE | 12958 |
| GLUCOSIDES | 4700 |
| PEPTYL | 43 |
| PEPTYLS | 0 |
| THIOGLUCOSIDASE | 71 |
| (NONIONIC SURFACTANT OR OCTYL GLUCOSIDE OR PEPTYL THIOGLUCOSIDASE OR DECANOYL-N-METHYLGLUCAMIDE OR POLYOXYETHYLENE DODECYL ETHER OR POLYOXYETHYLENE HEPTAMETHYLHEXYL ETHER OR POLYOXYETHYLENE IOSOCTYLPHEMYL ETHER OR TRITON OR POLYOXYETHYLENE NONYLPHENYL ETHER OR POLYOXYETHYLENE FATTY ACID ESTER OR SUCOSE FATTY ACID ESTER OR POLYOXYETHYLENE SORBITOL ESTER OR TWEEN).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 533365 |

[There are more results than shown above. Click here to view the entire set.](#)

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L7

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Friday, October 14, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set</u> <u>Name</u> <u>Query</u> side by side | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---|----------------------------|--|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> | | |
| <u>L7</u> nonionic surfactant or octyl glucoside or peptyl thioglucosidase or decanoyl-N-methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene isooctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween | 533365 | <u>L7</u> |
| <u>L6</u> l1 same l2 same l3 same l4 | 0 | <u>L6</u> |
| <u>L5</u> l1 and l2 and l3 and l4 | 4419 | <u>L5</u> |
| <u>L4</u> calcium | 597239 | <u>L4</u> |
| <u>L3</u> nonionic surfactant or octyl glucoside or peptyl thioglucosidase or decanoyl-N-methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene isooctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty aci ester or polyoxyethylene sorbitol ester or tween | 533365 | <u>L3</u> |
| <u>L2</u> organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid or succinic acid or gluconic acid or lactic acid or glucuronic acid or glycolic acid or tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid | 637251 | <u>L2</u> |
| <u>L1</u> thrombin | 26834 | <u>L1</u> |

END OF SEARCH HISTORY

Searches for User *mmeller* (Count = 8002)

Queries 7953 through 8002.

Find

| S # | Updt | Database | Query | Time | Comment |
|--------------|----------|------------------------------------|--|---------------------|---------|
| <u>S8002</u> | <u>U</u> | USPT | 4395398.pn. | 2005-10-14 14:08:32 | |
| <u>S8001</u> | <u>U</u> | USPT | 4330551.pn. | 2005-10-14 14:07:56 | |
| <u>S8000</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | (physical injury) same (non-ionic surfactant or octyl glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | 2005-10-14 14:05:54 | |
| <u>S7999</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | physical injury | 2005-10-14 | |

| | | | |
|--------------|----------|---|----------|
| | | | 14:05:44 |
| <u>S7998</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (organ or tissue) | 2005- |
| | | same (heal\$6) | 10-14 |
| | | same (non-ionic | 14:03:34 |
| | | surfactant or octyl | |
| | | glucoside or | |
| | | peptyl | |
| | | thioglucoside or | |
| | | decanoyl-N- | |
| | | methylglucamide | |
| | | or | |
| | | polyoxyethylene | |
| | | dodecyl ether or | |
| | | polyoxyethylene | |
| | | heptamethylhexyl | |
| | | ether or | |
| | | polyoxyethylene | |
| | | ioctylphenyl | |
| | | ether or triton or | |
| | | polyoxyethylene | |
| | | nonylphenyl ether | |
| | | or | |
| | | polyoxyethylene | |
| | | fatty acid ester or | |
| | | sucrose fatty acid | |
| | | ester or | |
| | | polyoxyethylene | |
| | | sorbitol ester or | |
| | | tween) | |
| <u>S7997</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD organ or tissue | 2005- |
| | | | 10-14 |
| | | | 14:03:18 |
| <u>S7996</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD heal\$6 | 2005- |
| | | | 10-14 |
| | | | 14:03:01 |
| <u>S7995</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (tumor) same | 2005- |
| | | (non-ionic | 10-14 |
| | | surfactant or octyl | 14:01:03 |
| | | glucoside or | |
| | | peptyl | |
| | | thioglucoside or | |
| | | decanoyl-N- | |
| | | methylglucamide | |
| | | or | |
| | | polyoxyethylene | |
| | | dodecyl ether or | |
| | | polyoxyethylene | |
| | | heptamethylhexyl | |
| | | ether or | |

| | | | |
|--------------|----------|--|----------------------------|
| | | polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | |
| <u>S7994</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD tumor | 2005- 10-14 14:00:51 |
| <u>S7993</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (injured tissue) same (non-ionic surfactant or octyl glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | 2005- 10-14 14:00:01 |
| <u>S7992</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD injured tissue | 2005- 10-14 13:59:48 |
| <u>S7991</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ured tissueL30 | 2005- 10-14 13:59:40 |

| | | | |
|--------------|----------|--|----------------------------|
| <u>S7990</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD tumor | 2005- 10-14 13:59:28 |
| <u>S7989</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (injury) same (non-ionic surfactant or octyl glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | 2005- 10-14 13:58:05 |
| <u>S7988</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD injury | 2005- 10-14 13:57:45 |
| <u>S7987</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD bioactivating agent | 2005- 10-14 13:56:39 |
| <u>S7986</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (fibrin glue) same (non-ionic surfactant or octyl glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl | 2005- 10-14 13:46:12 |

ether or
polyoxyethylene
ioctylphenyl
ether or triton or
polyoxyethylene
nonylphenyl ether
or
polyoxyethylene
fatty acid ester or
sucrose fatty acid
ester or
polyoxyethylene
sorbioth ester or
tween)

S7985 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (fibrin glue) and 2005-
(non-ionic 10-14
surfactant or octyl 13:46:06
glucoside or
peptyl
thioglucoside or
decanoyl-N-
methylglucamide
or
polyoxyethylene
dodecyl ether or
polyoxyethylene
heptamethylhexyl
ether or
polyoxyethylene
ioctylphenyl
ether or triton or
polyoxyethylene
nonylphenyl ether
or
polyoxyethylene
fatty acid ester or
sucrose fatty acid
ester or
polyoxyethylene
sorbioth ester or
tween)

S7984 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (fibrin glue) same 2005-
(organic acid or 10-14
formic acid or 13:45:02
acetic acid or
propionic acid or
butyric acid or
valeric acid or
oxalic acid or
malonic acid

| | | | |
|--------------|----------|--|----------------------------|
| | | succinic acid or gluconic acid or lactic acid or glucuronic acid or tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid) | |
| <u>S7983</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (fibrin glue) and (organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid succinic acid or gluconic acid or lactic acid or glucuronic acid or tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid) | 2005- 10-14 13:44:50 |
| <u>S7982</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD fibrin glue | 2005- 10-14 13:44:37 |
| <u>S7981</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (6410260.pn.) and (non-ionic surfactant or octyl glucoside or peptyl thiogluconide or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl | 2005- 10-14 13:38:13 |

| | | | |
|--------------|----------|--|----------------------------|
| | | ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | |
| <u>S7980</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD 6410260.pn. | 2005- 10-14 13:38:02 |
| <u>S7979</u> | <u>U</u> | USPT | |
| | | US-6410260- B1.did. | 2005- 10-14 13:37:33 |
| <u>S7978</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (calcium same thrombin same organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid succinic acid or gluconic acid or lactic acid or glucuronic acid or tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid) and (non- ionic surfactant or octyl glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or | 2005- 10-14 13:28:46 |

| | | | |
|--------------|----------|--|----------------------------|
| | | polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | |
| <u>S7977</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (calcium same thrombin) same (organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid succinic acid or gluconic acid or lactic acid or glucuronic acid or tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid) | 2005- 10-14 13:28:34 |
| <u>S7976</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (calcium) same (thrombin) | 2005- 10-14 13:28:20 |
| <u>S7975</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD calcium | 2005- 10-14 13:28:03 |
| <u>S7974</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD thrombin | 2005- 10-14 13:27:56 |
| <u>S7973</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or | 2005- 10-14 13:27:39 |

oxalic acid or
 malonic acid
 succinic acid or
 gluconic acid or
 lactic acid or
 glucuronic acid or
 tartaric acid or
 malic acid or citric
 acid or glutaric
 acid or
 aminoacetic acid
 or aminocaproic
 acid) same (non-
 ionic surfactant or
 octyl glucoside or
 peptyl
 thioglucoside or
 decanoyl-N-
 methylglucamide
 or
 polyoxyethylene
 dodecyl ether or
 polyoxyethylene
 heptamethylhexyl
 ether or
 polyoxyethylene
 ioctylphenyl
 ether or triton or
 polyoxyethylene
 nonylphenyl ether
 or
 polyoxyethylene
 fatty acid ester or
 sucrose fatty acid
 ester or
 polyoxyethylene
 sorbitol ester or
 tween)

| | | |
|---|---|---|
| <p> <u>S7972</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD </p> | <p> organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid succinic acid or gluconic acid or lactic acid or glucuronic acid or </p> | <p> 2005- 10-14 13:26:48 </p> |
|---|---|---|

| | | | |
|--------------|----------|---|----------------------------|
| | | tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid | |
| <u>S7971</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (hemostatic) same 2005- (non-ionic 10-14 surfactant or octyl 13:19:26 glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween) | |
| <u>S7970</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD hemostatic | 2005- 10-14 13:19:06 |
| <u>S7969</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (coagulation) same (non-ionic 10-14 surfactant or octyl 13:12:08 glucoside or peptyl thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl | 2005- 10-14 13:12:08 |

| | | | |
|--------------|----------|--|----------------------------|
| | | ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbioth ester or tween) | |
| <u>S7968</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD coagulation | 2005- 10-14 13:11:56 |
| <u>S7967</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (non-ionic surfactant or octyl glucoside or peptyl thiogluconate or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbioth ester or tween) same (hemostatic solution or coagulation) | 2005- 10-14 13:07:46 |
| <u>S7966</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD non-ionic surfactant or octyl glucoside or peptyl | 2005- 10-14 13:07:08 |

| | | | | |
|--------------|----------|------------------------------------|--|----------------------------|
| | | | thioglucoside or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene ioctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty acid ester or polyoxyethylene sorbitol ester or tween | |
| <u>S7965</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | (hemostatic solution or coagula\$6) same (surfactant) | 2005- 10-14 13:03:57 |
| <u>S7964</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | surfactant | 2005- 10-14 13:03:40 |
| <u>S7963</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | (hemostatic solution) or (coagula\$6) | 2005- 10-14 13:02:53 |
| <u>S7962</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | coagula\$6 | 2005- 10-14 13:02:21 |
| <u>S7961</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | hemostatic solution | 2005- 10-14 13:01:07 |
| <u>S7960</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | nonionic surfactant or octyl glucoside or peptyl thioglucosidase or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene | 2005- 10-14 11:47:54 |

heptamethylhexyl
ether or
polyoxyethylene
iosooctylphenyl
ether or triton or
polyoxyethylene
nonylphenyl ether
or
polyoxyethylene
fatty acid ester or
sucrose fatty acid
ester or
polyoxyethylene
sorbitol ester or
tween

S7959 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (thrombin) same 2005-
(organic acid or 10-14
formic acid or 11:47:08
acetic acid or
propionic acid or
butyric acid or
valeric acid or
oxalic acid or
malonic acid or
succinic acid or
gluconic acid or
lactic acid or
glucuronic acid or
glycolic acid or
tartaric acid or
malic acid or citric
acid or glutaric
acid or
aminoacetic acid
or aminocaproic
acid) same
(nonionic
surfactant or octyl
glucoside or
peptyl
thioglucosidase or
decanoyl-N-
methylglucamide
or
polyoxyethylene
dodecyl ether or
polyoxyethylene
heptamethylhexyl
ether or
polyoxyethylene

| | | |
|--|---|----------------------------|
| | iosooctylphenyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty aci ester or polyoxyethylene sorbitol ester or tween) same (calcium) (thrombin) and (organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid or succinic acid or gluconic acid or lactic acid or glucuronic acid or glycolic acid or tartaric acid or malic acid or citric acid or glutaric acid or aminoacetic acid or aminocaproic acid) and (nonionic surfactant or octyl glucoside or peptyl thioglucosidase or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene iosooctylphenyl ether or triton or | 2005- 10-14 11:46:56 |
|--|---|----------------------------|

S7958 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD

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|--------------|----------|--|----------------------------|
| | | polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty aci ester or polyoxyethylene sorbitol ester or tween) and (calcium) | |
| <u>S7957</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD calcium | 2005- 10-14 11:46:43 |
| <u>S7956</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD nonionic surfactant or octyl glucoside or peptyl thioglucosidase or decanoyl-N- methylglucamide or polyoxyethylene dodecyl ether or polyoxyethylene heptamethylhexyl ether or polyoxyethylene iosooctylphemyl ether or triton or polyoxyethylene nonylphenyl ether or polyoxyethylene fatty acid ester or sucrose fatty aci ester or polyoxyethylene sorbitol ester or tween | 2005- 10-14 11:45:59 |
| <u>S7955</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD organic acid or formic acid or acetic acid or propionic acid or butyric acid or valeric acid or oxalic acid or malonic acid or succinic acid or gluconic acid or | 2005- 10-14 11:27:31 |

lactic acid or
glucuronic acid or
glycolic acid or
tartaric acid or
malic acid or citric
acid or glutaric
acid or
aminoacetic acid
or aminocaproic
acid

| | | | | |
|--------------|----------|------------------------------------|---|----------------------------|
| <u>S7954</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | thrombin | 2005- 10-14 11:25:43 |
| <u>S7953</u> | <u>U</u> | PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD | (coat\$6 same methylcellulose or methyl cellulose or methyl cellulose) same (polyphenol or green tea) | 2005- 10-06 13:52:40 |

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